

A. BRAGG.
AMUSEMENT APPARATUS.
APPLICATION FILED NOV. 29, 1909.

964,383.

Patented July 12, 1910.

2 SHEETS—SHEET 1.

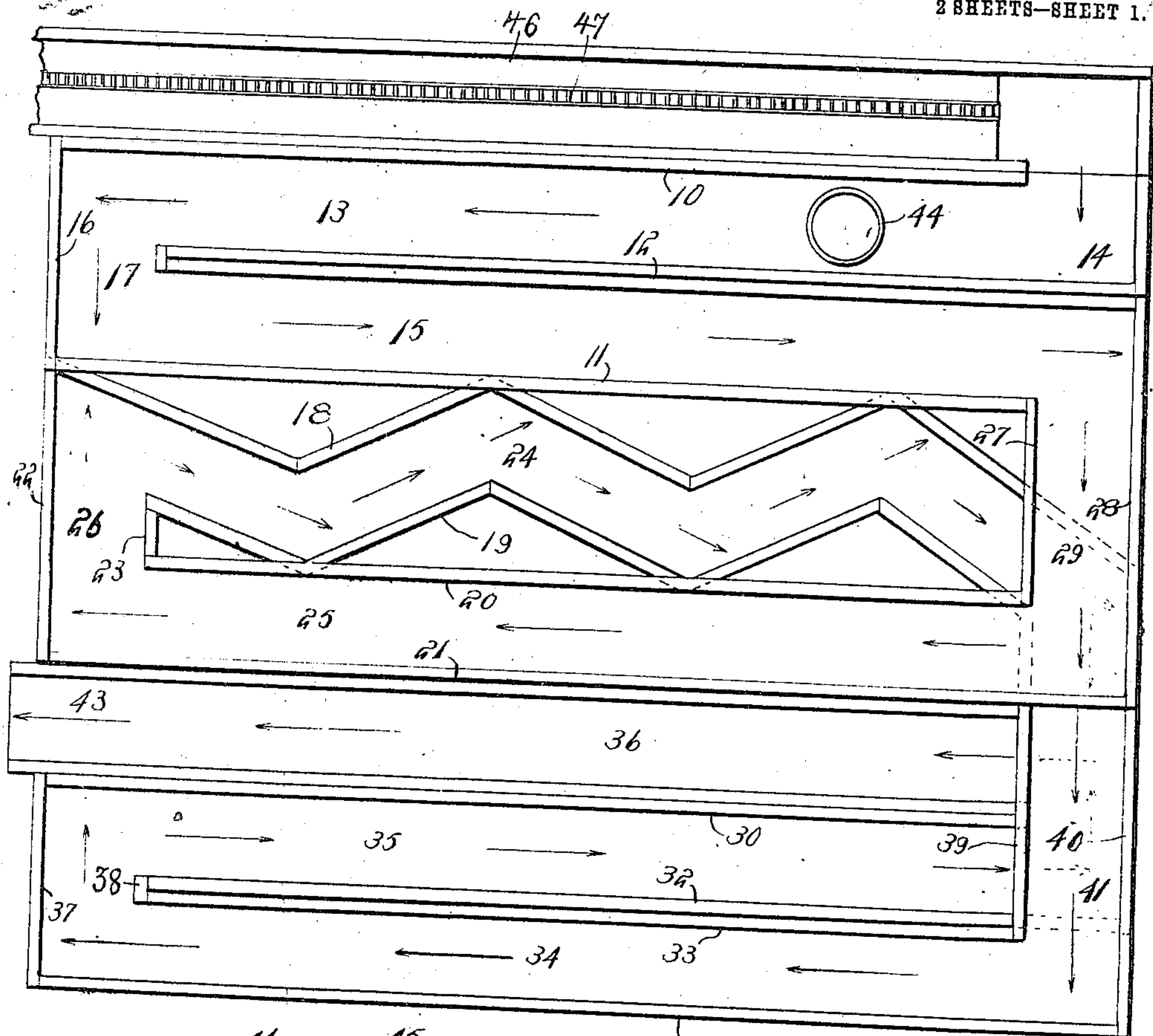


Fig. 1.

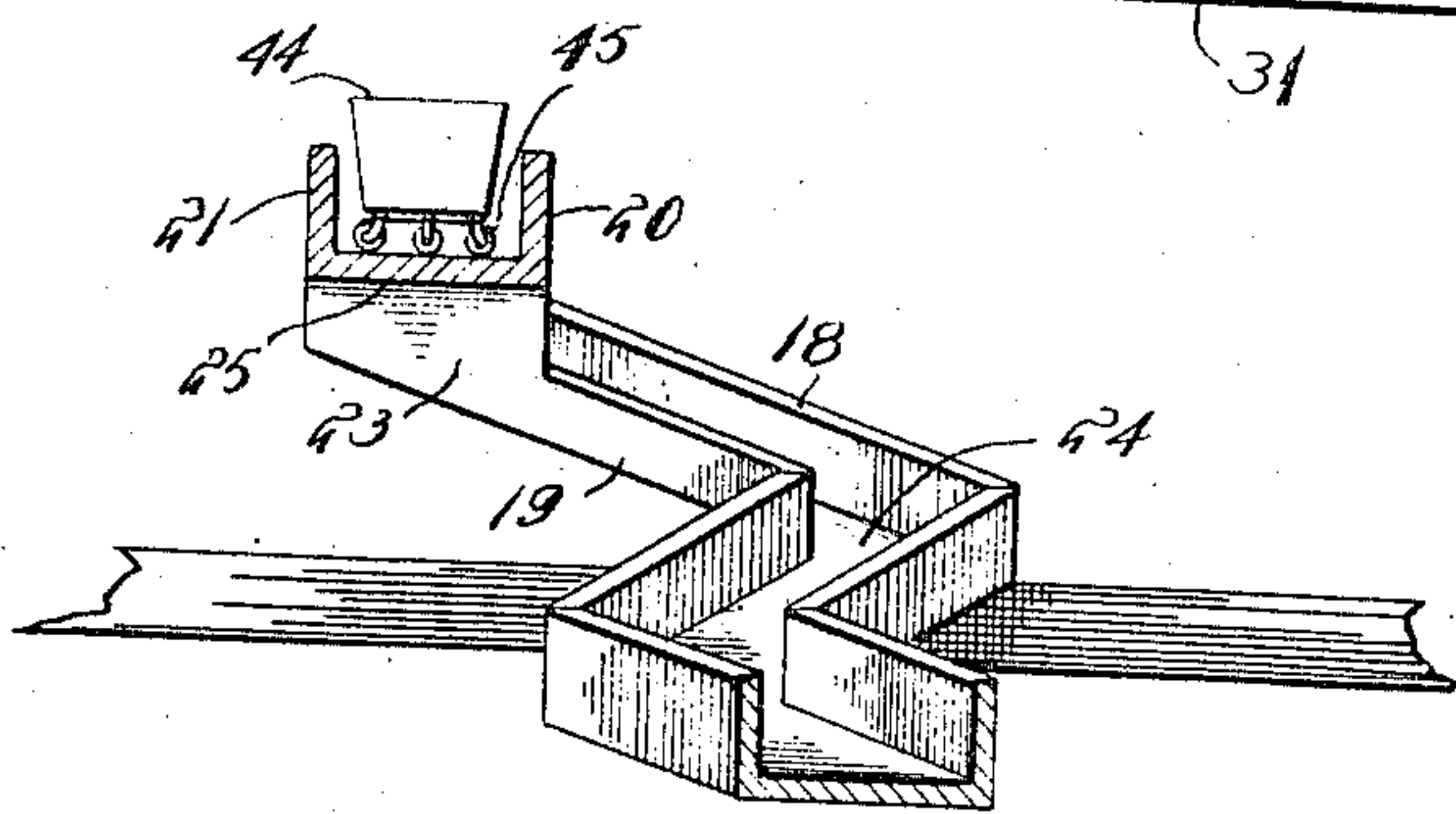


Fig. 3.

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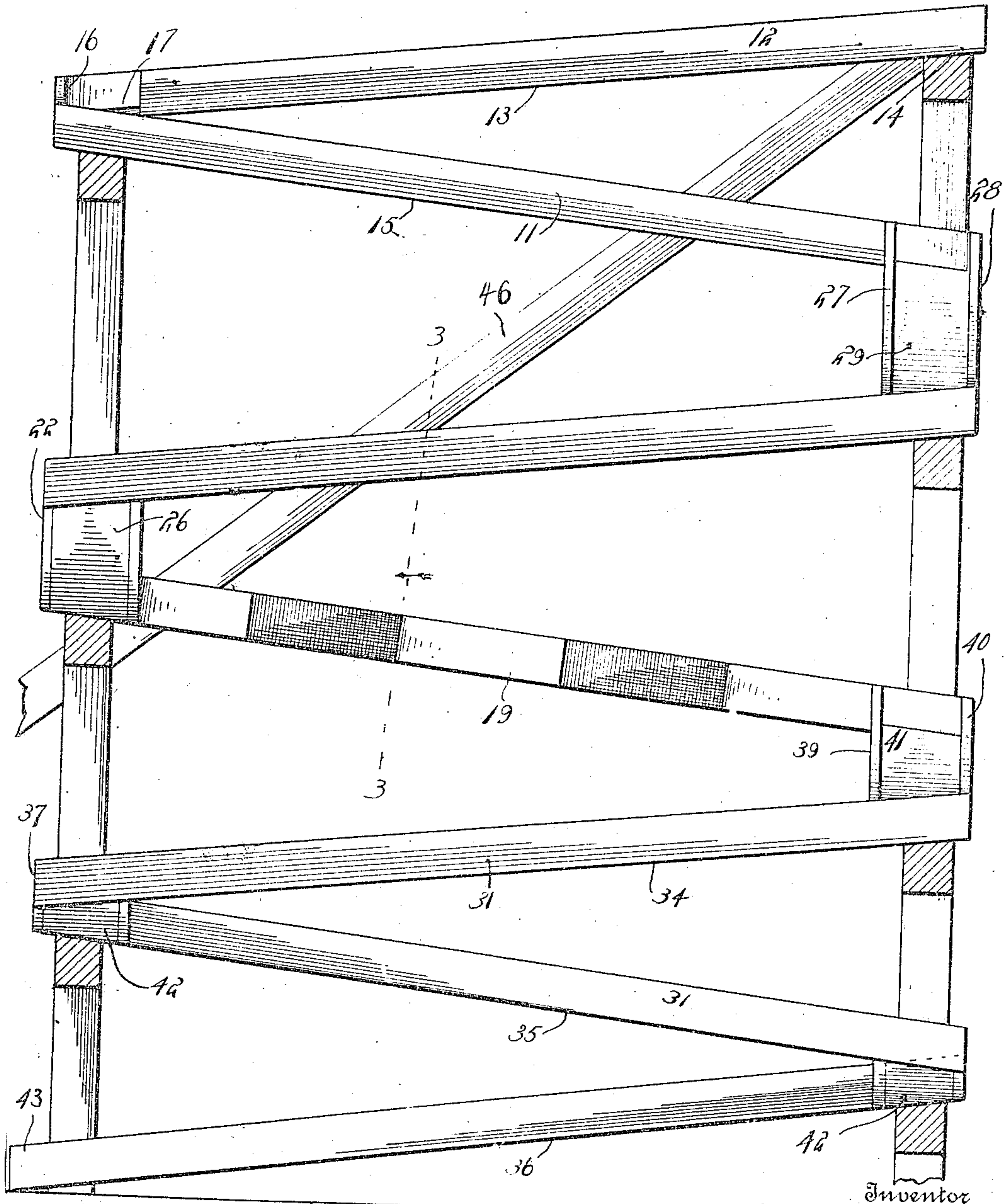
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2 SHEETS—SHEET 2.

Fig. 2.



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UNITED STATES PATENT OFFICE.

ARTHUR BRAGG, OF BROOKLYN, NEW YORK.

AMUSEMENT APPARATUS.

964,383.

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To all whom it may concern:

Be it known that I, ARTHUR BRAGG, a citizen of the United States, residing at Brooklyn, in the county of Kings, State of New York, have invented certain new and useful Improvements in Amusement Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to amusement apparatus, of the class wherein an inclined runway having deflecting sides and a passenger carrier operative over the runway and between the deflecting sides, and has for one of its objects to improve the construction and increase the efficiency and utility of devices of this character.

With this and other objects in view, the invention consists in certain novel features of construction as hereinafter shown and described and then specifically pointed out in the claims; and, in the drawings illustrative of the preferred embodiment of the invention, Figure 1 is a plan view of the improved device, Fig. 2 is a side elevation of the same, Fig. 3 is a detail in section on the line 3—3 of Fig. 2.

The improved apparatus comprises in general a runway formed of a plurality of sections united at their ends and with inclined bottoms and vertical sides, the sides being formed in parallel relations throughout and with inwardly and outwardly inclined portions and with right angled portions, and may be constructed with any required number of the sections and arranged in any desired manner, but will preferably be arranged in superimposed relations and with the various sections united by right angled portions, and for the purpose of illustration three of the sections are shown in superimposed relations.

The upper section comprises a flat bottom portion formed with straight vertical side walls 10—11 and a longitudinal division wall 12. The bottom 13 of the upper section is inclined downwardly from the higher upper end 14 at one side of the partition 12 and continues downwardly as shown at 15 and with a right angled wall portion 16 at the juncture of the two inclined portions 13—15, with the portion of the bottom be-

tween the partition 12 and the right angled terminal 16 with a relatively abrupt inclination, as indicated at 17.

The second section of the improved device is constructed in two longitudinal portions, one longitudinal portion being provided with vertical side walls arranged in angular portions 18—19, the two sets of angular portions being arranged substantially in parallel relations throughout.

The second portion of the intermediate section is provided with vertical sides 20—21 and arranged in parallel relations throughout. The two portions of the intermediate section are united at one end by a right angled portion defined by vertical walls 22—23. The bottom 24 of one portion of the intermediate section is inclined gradually from end to end while the bottom 25 of the other portion of the intermediate section is likewise inclined gradually and in continuation of the bottom 24, while the connecting bottom portion 26 between the walls 22—23 is preferably inclined more abruptly than the bottom portion 24—25. The intermediate section is preferably located below the line of the upper section and is united thereto by a right angled portion defined by vertical walls 27—28, with the bottom portion 29 between the walls 27—28 inclined more abruptly than the bottom portions 15—25. The lower section of the apparatus is preferably formed with vertical outer side walls 30—31 and two partition walls 32—33 whereby three bottom portions 34—35 and 36 are formed.

The bottoms 34—35—36 are gradually inclined continuously throughout their lengths. The portion of the lower section defined by the walls 31—33 is connected by a right angled portion having right angled outer walls 37—38 and with its bottom inclined more abruptly than the bottom portions 34—35.

The intermediate section and the lower section are united by a right angled portion defined by vertical walls 39—40, with the bottom 41 between the walls 39—40 being inclined more abruptly than the connecting bottom portion 25—34. The wall 39 likewise forms the division between the portions 35—36, and the bottom 42 between the portions 35—36 is preferably inclined more abruptly than the inclined portions 35—36.

By this means the bottoms of the various sections are continuous from the upper end 14 of the upper section to the lower end 43 of the lower section and with numerous right angled connecting portions, and with the bottoms of the right angled portions preferably inclined more abruptly than the remaining bottom portions of the various sections.

10 The passenger carrier 44 employed in the improved device is preferably formed circular or tub like and provided with suitable universal casters 45 or with casters which will readily rotate as the carrier moves over the inclined bottom.

The diameter of the carrier is slightly less than the space between the defining walls of the various sections, so that as the carrier moves downwardly over the inclined bottoms of the various sections it is diverted from side to side against the side walls and intercepted thereby and caused to alternately rotate and oscillate.

As the carrier reaches the right angled wall 16 it is suddenly intercepted thereby and diverted down the abrupt inclination 17 and is again intercepted by the wall 11 and again diverted down the inclined portion 15 and so on throughout the entire lengths of the various sections, being alternately diverted and intercepted by the changes of the channels defined by the vertical walls.

While passing through the portion of the intermediate section defined by the walls 18—19 the carrier is thrown from side to side and rapidly rotated, and thus materially increases the amusement and interest of the passengers. The right angled portions between the various sections is an important feature of the improved device and materially increases the interest and amusement by causing the carrier to move in eccentric and unusual directions, and preventing the passengers from becoming settled in any one position, but causing them to constantly change from place to place within the carrier.

From the foregoing it will be seen that an inexpensive and reliable device is provided in which the passenger carrier is caused to move over the inclined floor and be frequently diverted and thrown from side to side and caused to revolve and to be suddenly jerked and diverted when it comes in contact with the right angled portions, thereby materially increasing the interest and diversion of the passenger.

The improved device may be constructed of any suitable material, and extended in-

definitely by increasing the numbers of the sections.

The carriers 44 will be elevated in any suitable manner to the starting point 14, and for the purpose of illustration an inclined runway 46 is shown provided with an elevated chain 47.

What is claimed is:—

1. In an amusement apparatus, a runway formed of a plurality of sections having inclined bottoms and united at the ends and each provided with deflecting side walls arranged in parallel relations throughout and formed with alternately inwardly and outwardly projecting portions, said side walls being arranged with right angled portions at the junctures of the sections and with the bottoms of the sections at the junctures thereof formed with abrupt changes of inclination, and a passenger carrier movable over said runway and adapted to be intercepted by said side walls.

2. In an amusement apparatus, a runway formed with an inclined bottom, and with vertical sides spaced apart and in parallel relations throughout, said vertical sides having a plurality of angular portions and a plurality of right angled portions, and a passenger carrier movable over said runway and adapted to be intercepted by said side walls.

3. In an amusement apparatus, a runway formed with an inclined bottom and with vertical sides spaced apart and arranged in parallel relations throughout, said vertical sides having a plurality of annular portions and right angled portions and with the inclination of the bottom arranged abruptly adjacent to the right angled portions.

4. In an amusement apparatus, a runway formed of a plurality of sections having inclined bottoms and united by right angled inclined portions and with deflecting side walls arranged in parallel relations throughout.

5. In an amusement apparatus, a runway formed of a plurality of sections having gradually inclined bottoms and united by right angled portions having relatively abrupt inclinations, said inclined portions having deflecting side walls arranged in parallel relations throughout.

In testimony whereof, I affix my signature, in presence of two witnesses.

ARTHUR BRAGG.

Witnesses:

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